



Systems Engineer

Cambridge, MA

Full Time

To apply: Contact admin@lmbcorporation.com.

Nature of Position

Liquid Metal Battery Corporation (LMBC) is seeking an engineer to design, construct, and evaluate the performance of battery enclosures/modules for our newly formed cleantech enterprise, a recent start-up company spun out from MIT. This system engineer (SE) position will be responsible for designing a barrel-sized container to house stacks of large format batteries. The role calls for experience with, or an ability to quickly learn about, high temperature insulation, gas-tight sealing, voltage and temperature monitoring, data acquisition, and mechanical design. This SE will play an integral role on a great team that seeks to commercialize liquid metal battery technology, which will enable an efficient electricity grid with high penetration of cheap and sustainable energy.

Responsibilities

- Design and construct modules to house, support, and insulate batteries, complete with thermal, atmosphere, structure, and electrical monitoring, logging, and controls
- Work with cell design and testing teams to ensure a compatible and easy to assemble system
- Work with modeling staff to validate thermal, mechanical, and electrical characteristics

Requirements

- Demonstrable successes with previous technical projects
- Ability to engage and solve complex engineering problems
- Recognized by former colleagues as a 'go-to' person to solve challenging issues
- BS (or higher) degree in a relevant field of the physical sciences or engineering, such as applied physics, materials science, mechanical engineering, chemical engineering, or electrical engineering
- 3+ years of hands-on experience in areas such as electro-mechanical systems, high temperature processes, or designing standardized products
- Experience with sensors, data acquisition, structural systems, and CAD
- Ability to lead a small team, and work with other teams to accomplish common goals
- Strong organizational and communication skills
- Capable of working both independently and as part of a fast moving team

Pluses

- Knowledge of high temperature metallurgical, electrochemical, or chemical systems and metal joining processes
- Understanding of cost implications of product design, value engineering

Description of Duties

The SE will report to the CTO and will have primary responsibility for 1) designing, coordinating, and building battery module systems; 2) collecting and analyzing system performance data; and 3) interacting with other teams to ensure smooth system-wide integration.

Compensation

Based on skills and relevant experience.

About LMBC

LMBC is an early-stage company working to develop and commercialize a radical new battery technology that will revolutionize grid-scale power storage. Our battery has the potential to cost significantly less than existing batteries and would be a major enabler for more widespread use of sustainable energy sources and the development of more efficient power systems. LMBC is based in Cambridge, MA and is backed by top-tier investors. We are constantly seeking creative, ambitious, and tenacious individuals to join our team and work with us to change the world.